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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No. : 10/564,441 Confirmation No.: 7400
Applicant : Soren Persson
Filed : March 1, 2006
TC/A.U. : 1645
Examiner : Hines, Jana A
Title : DIAGNOSTICS OF DIARRHEAGENIC ESCHERICHIA COLI
(DEC) AND SHIGELLA SPP

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE PURSUANT TO 35 USC 121
AND SEQUENCE COMPLIANCE

Sir:

This paper is in response to the Office Action dated June 19, 2008. A Petition to Extend the period for response for two months from July 19, 2008 to September 19, 2008 is enclosed herewith. Please enter the following elections, amendments, and remarks.

Elections begin on page 2.

Amendments to the Specification begin on page 3 of this paper.

Amendments to the Claims begin on page 6 of this paper.

Remarks begin on page 11 of this paper.

ELECTION

Applicants respectfully thank the examiner for the courtesy of the interview in this application, where the undersigned attorney and the examiner discussed multiplex PCR, which by definition requires the use of multiple primers or probes in a single step in order to simultaneously identify multiple genes or parts thereof.

Applicant provisionally elects one primer sequence from table 3 for *vtx2* (SEQ ID NO:16). Applicant further provisionally elects one primer sequence from table 3 for each of genes to be amplified in the multiplex PCR, *vtx1* (SEQ ID NO: 14), *elt* (SEQ ID NO:1), *ipaH* (SEQ ID NO:17), *eae* (SEQ ID NO:9), *sta* (SEQ ID NO:3), *ehxA* (SEQ ID NO:19), or *estA* (SEQ ID NO:5).

Applicant provisionally elects one probe from Table 7 for detection of *vtx2* (SEQ ID NO: 32). Applicant further provisionally elects one primer sequence from table 3 for each of genes to be detected, *eae* (SEQ ID NO:30); *vtx1* (SEQ ID NO: 31), *ehxA* (SEQ ID NO: 34), *elt* (SEQ ID NO:26); *sta* (SEQ ID NO: 27), *estA* (SEQ ID NO:28) and *ipaH* (SEQ ID NO: 33).